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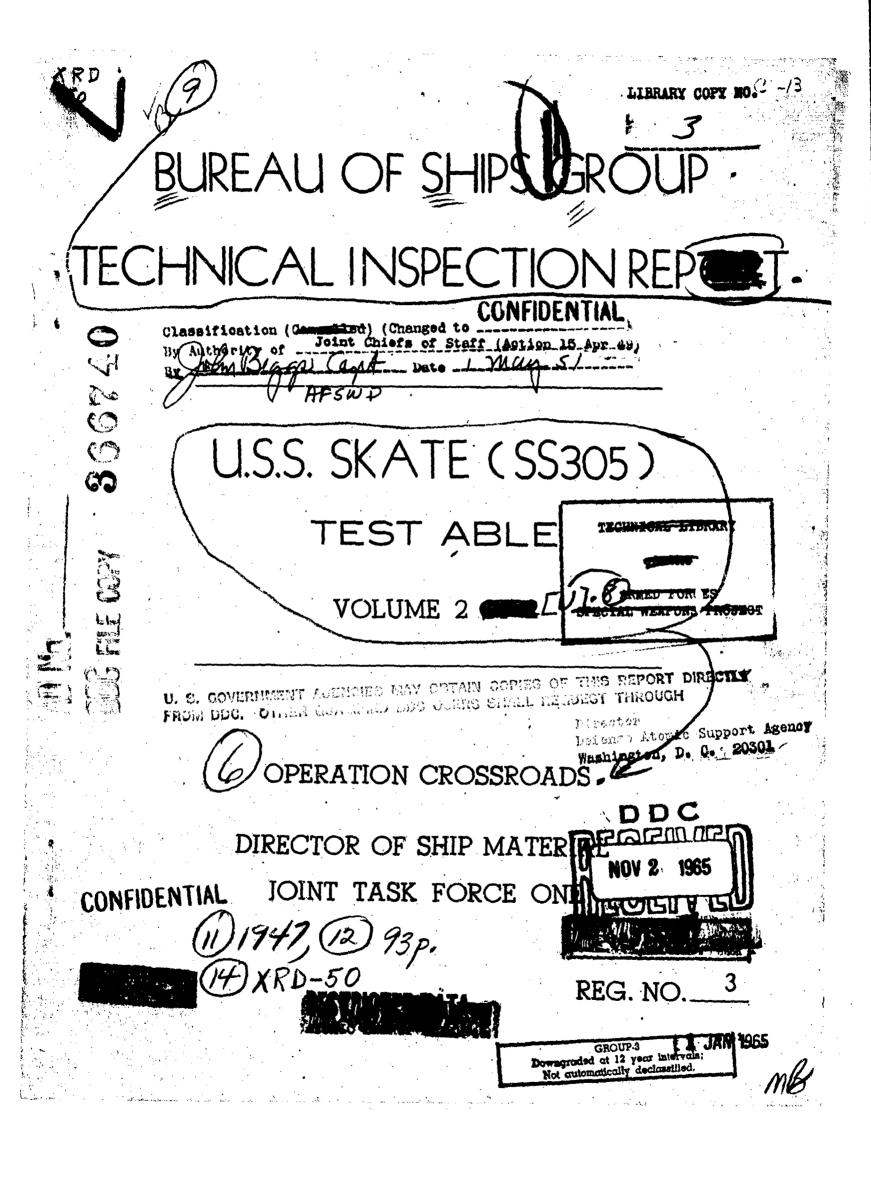
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AUTHORITY

DSWA ltr., 9 Apr 97; DSWA ltr., 9 Apr 97

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BUREAU OF SHIPS GROUP TECHNICAL INSPECTION REPORT

Classification (Canadad) (Changed to CONFIDENTIAL

U. S. GOYEN FRUM Willer Breeze

> at the port Agency 1000 come 2001, D. C. 20301

SUBMITTED:

C. L. Gaasterland, Commander, U.S.N.

"This document contains information affecting the latte Referes of the United States within the meaning of the APPROVES: transmission or the revelation of its contents in an appropriate to an appropriate paragraph of the contents in an appropriate paragraph of the probability Conage Laws, Title 18, U. S. C., Section 793 and 794. manner to an impethorzied person is prohibited by law. CONFIDENTIAL Captain, U.S.N.



USS SKATE (SS305)

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GROUP-3

Downgraded at 12 year intervals;

Not automatically declassified.





AA-CR-549-664-11. SKATE lying to in vicinity of flagship during inspection by Vice Admiral W.H.P. BLANDY.



AA-CR-517-2396-9. SKATE underway for test of machinery.

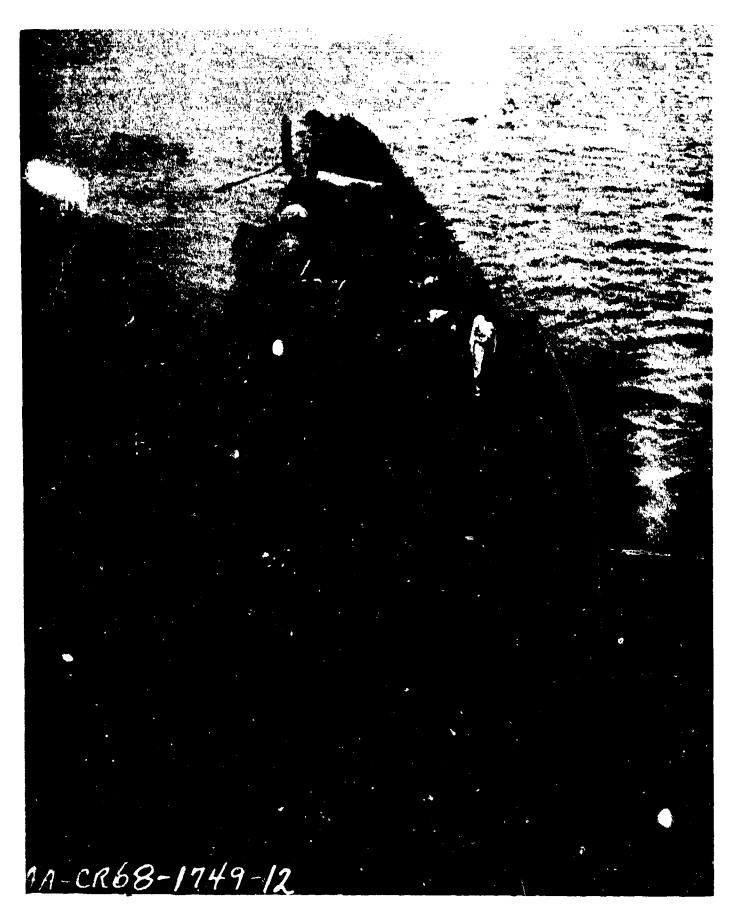
SECRET USS SKATE (SS305)
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AA-CR-1749-8. General view looking forward from forward gun foundation. Note low salvage fitting for forward battery compartment.

USS SKATE (SS305)

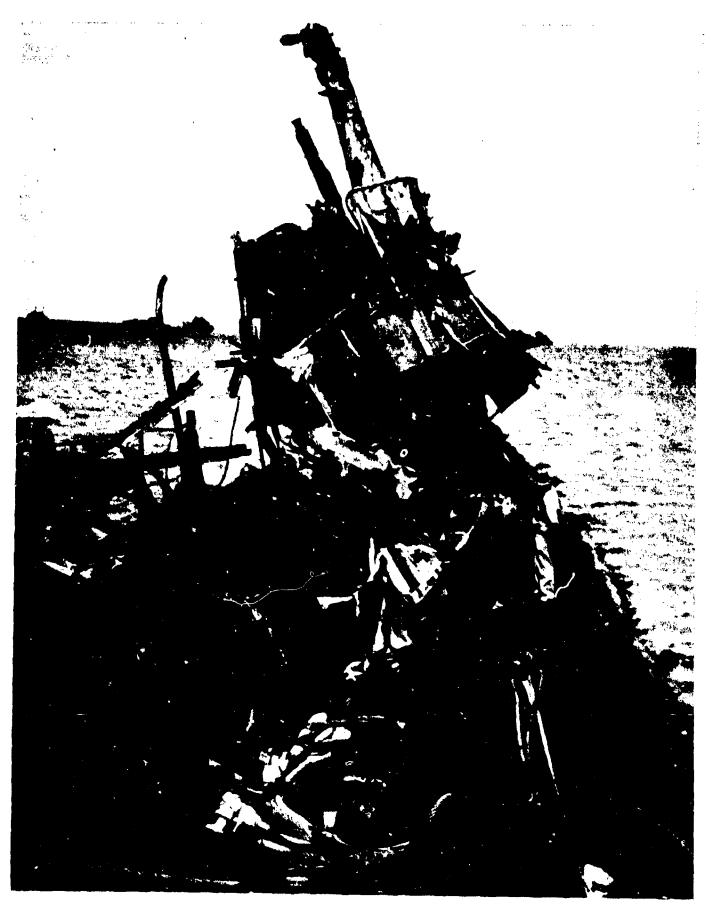
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AA-CR-68-1749-12. General view looking aft from periscope shears.

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USS SKATE (SS305)



AA-CR-68-1749-3. General view looking aft from port side of bow.

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AA-CR-08-1752-4. General view of bridge looking forward room periscope shears. Note cracked CRS weld. Wings of bridge folded forward.

USS SKATE (SS30L)

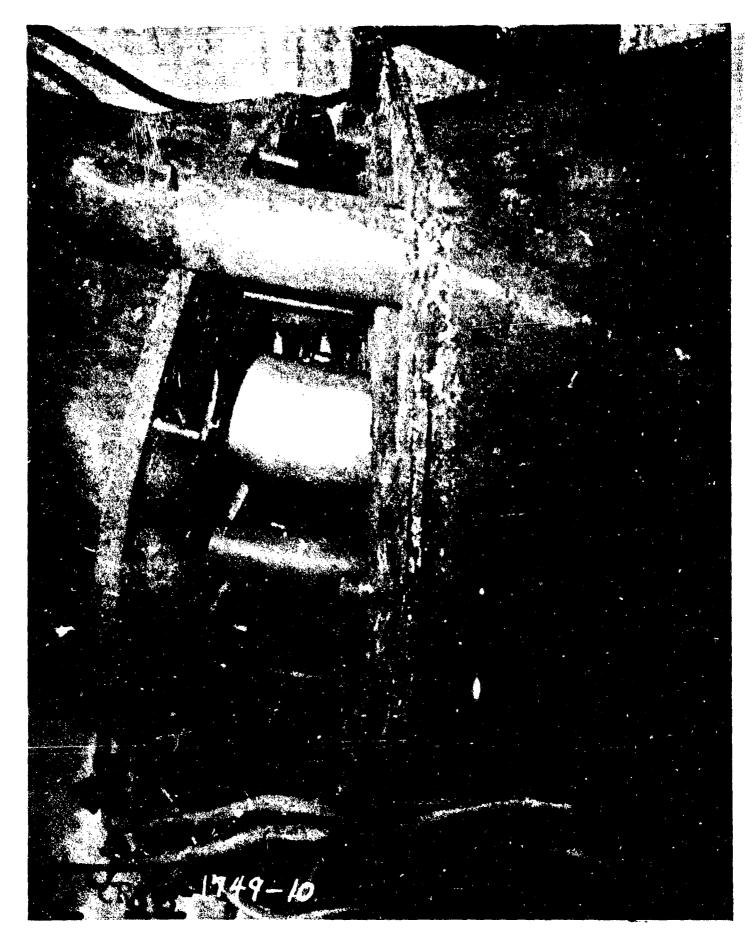
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AA-CR-68-1749- General view of bridge looking aft from forward gun foundation. Not e collapsed 40MM gun.

USS SKATE (SSSO.)

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AA-CR-68-1749-10. Failure of flunge connection at foot of periscope shears looking forward.

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USS SKATE (SS30:)

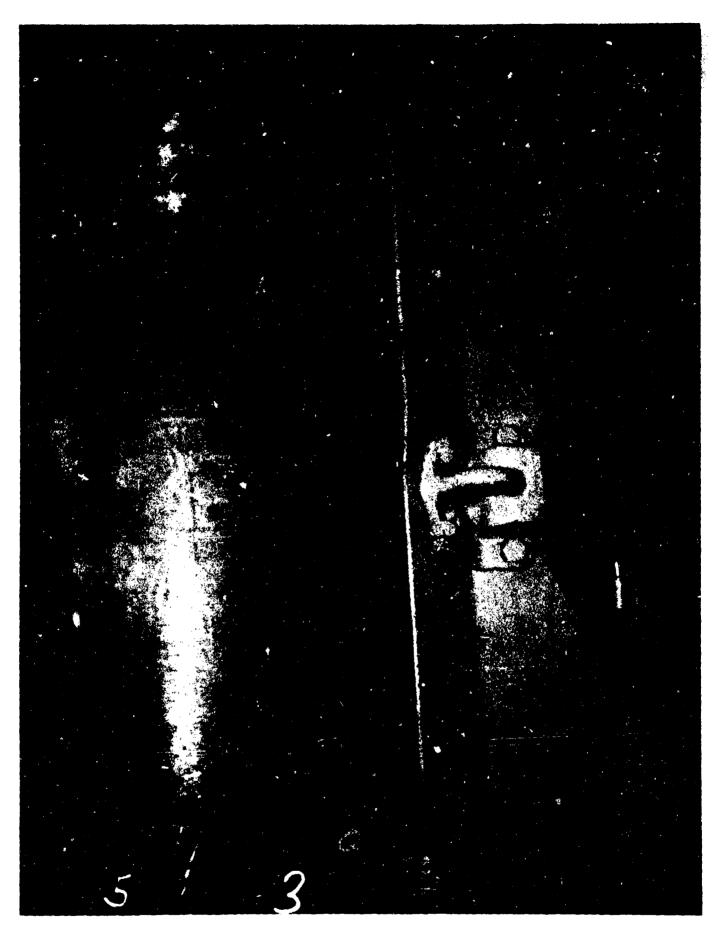
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AA-CR-68-1751-11. Failure of SD radar mast shears just above flange.

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AA-CR-59-2055-3. Stowage cradle for #7 torpedo tube showing bend in side plate.

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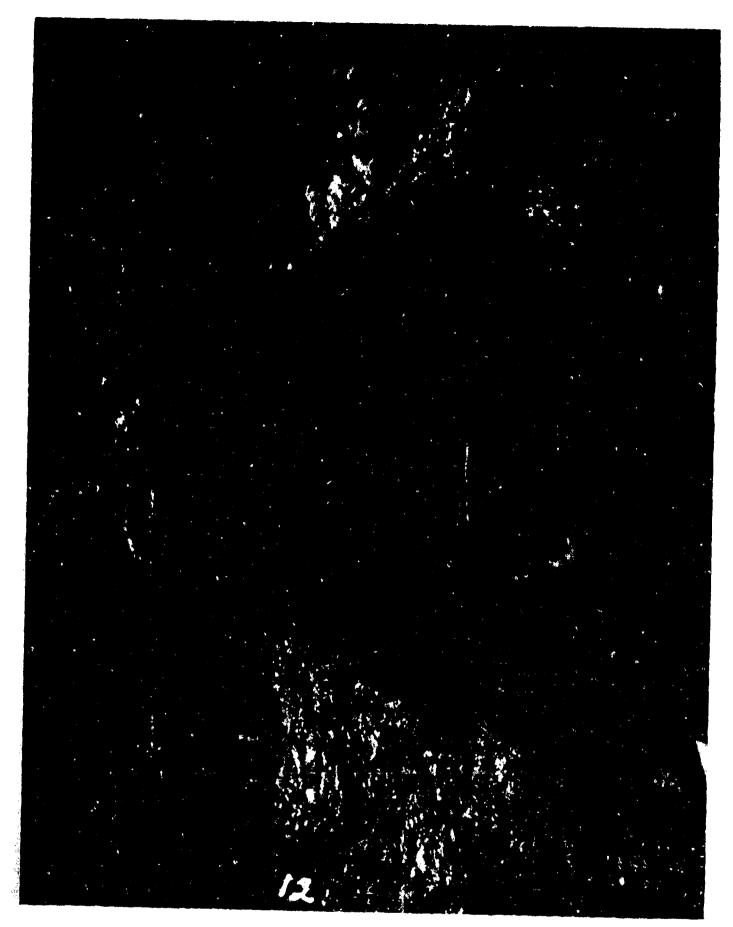
AA-CR-59-2011-9. Frame 55 port looking forward. Fillet weld attacking flange of frame to hull plating, chipped away in way of crack. Note blanked off salvage connection to M.B.T. 2D.

SECRET USS SKATTL (SS30) Page 13 of 93 $Pa_{\rm c}$ os 516)



AA-CR-59-2011-8. View of stern and No. 7 and 8 torpedo tube shutters.

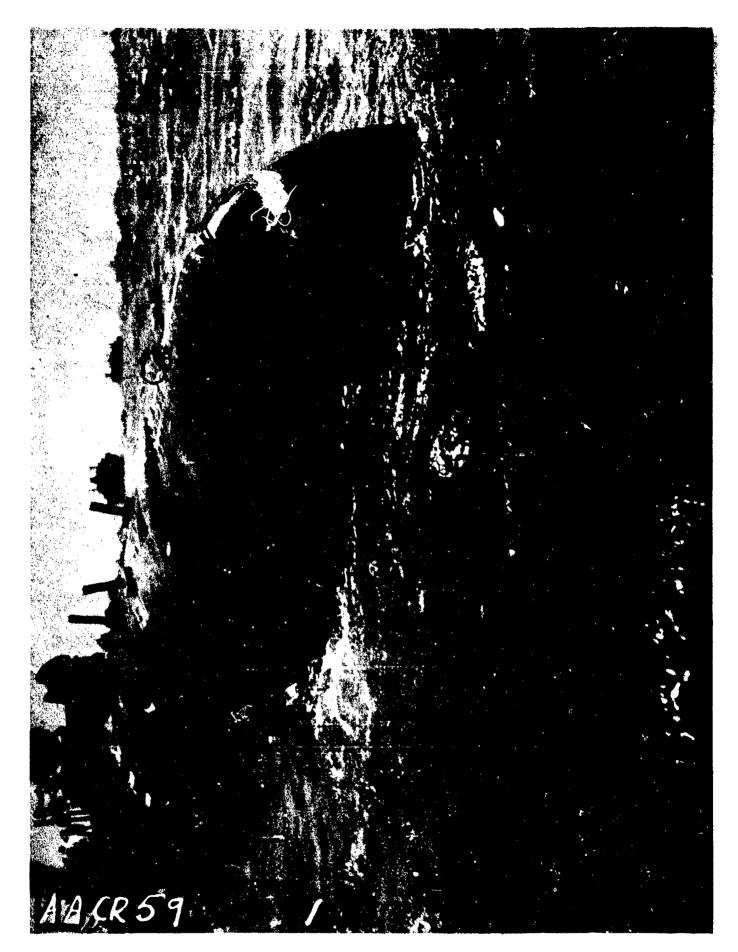
SECRET USS SKATE (SS305)
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AA-CR-59-2057-12. Stern, showing offset aft of frame 132. Note slight clockwise rotation of damaged section.

USS SKATE (SS305)

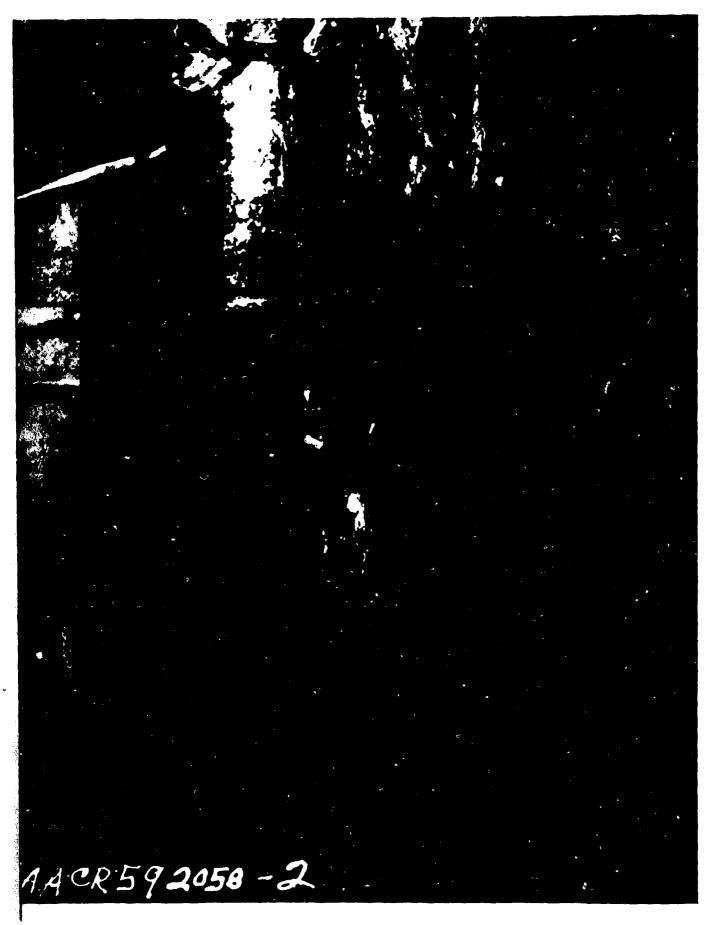
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AA-CR-59-2058-1. Stern, showing offset of stern and No. 8 shutter forced in against centerline girder.

USS SKATE (SS305)

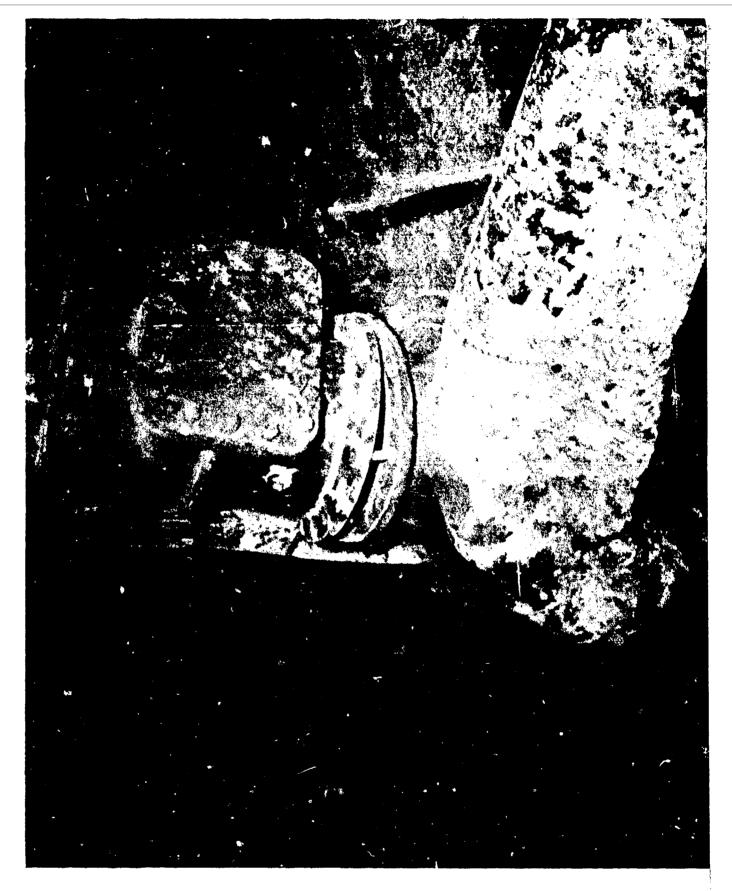
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AA-CR-59-2058-2. Stern, showing offset and No. 7 shutter forced in and distorted.

USS SKATE (SS305)

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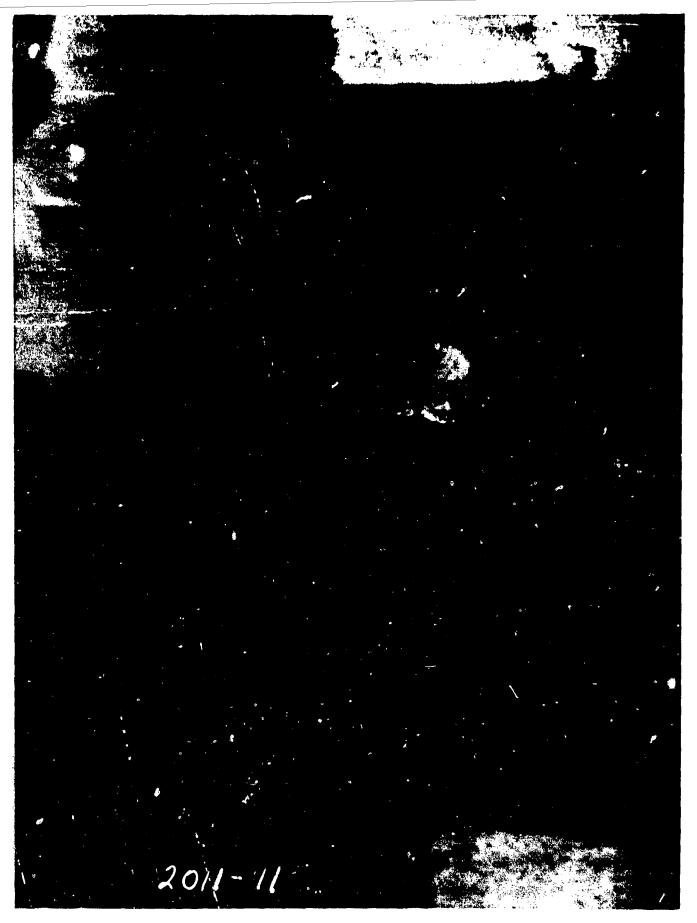


AA-CR-59-2057-8. Base of antenna trunk showing failure of flanged connection. Note also deformed vent riser and intact welds.

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AA-CR-59-2011-11. View of inboard end of tie-rod forward battery tank starboard. Nut has snapped off.

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AA-CR-59-1750-6. Looking aft at bent in tank top between frame 75 and 80.

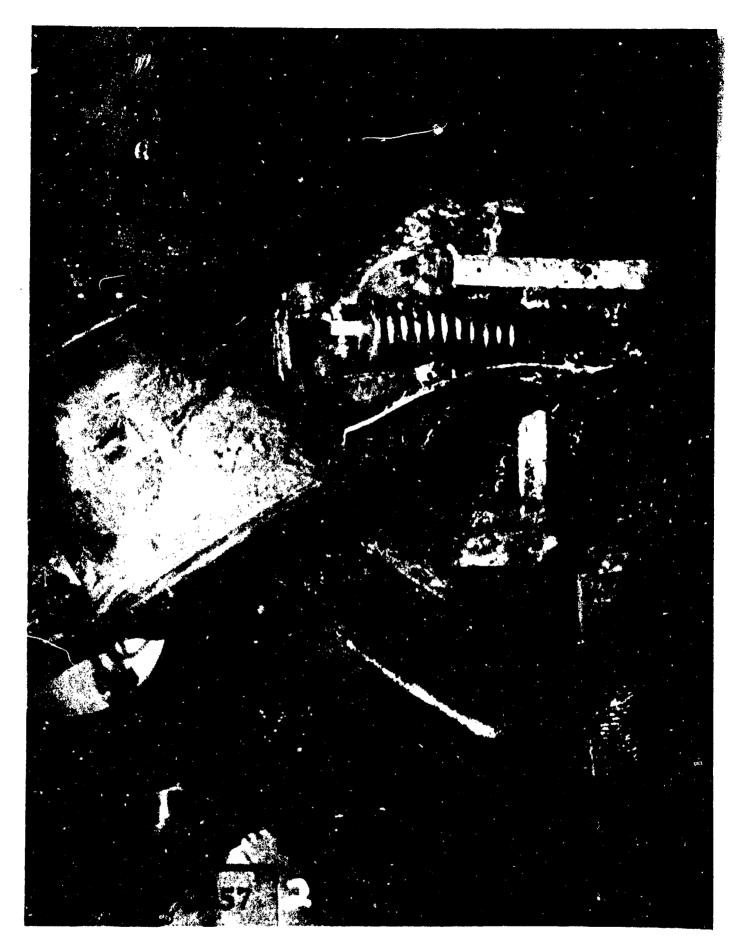
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AA-CR-59-1751-9. No. 7 main vent valve and after capstan head.

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AA-CR-59-2057-2. After capstan head and No. 7 main vent valve looking forward.

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AA-CR-59-2057-3. After capstan head and No. 7 main vent valve looking forward and to starboard.

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AA-CR-59-2011-1. Main induction valve showing failure of stem of casing. Looking aft and to port from starboard side.

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USS SKATE (SS30U)



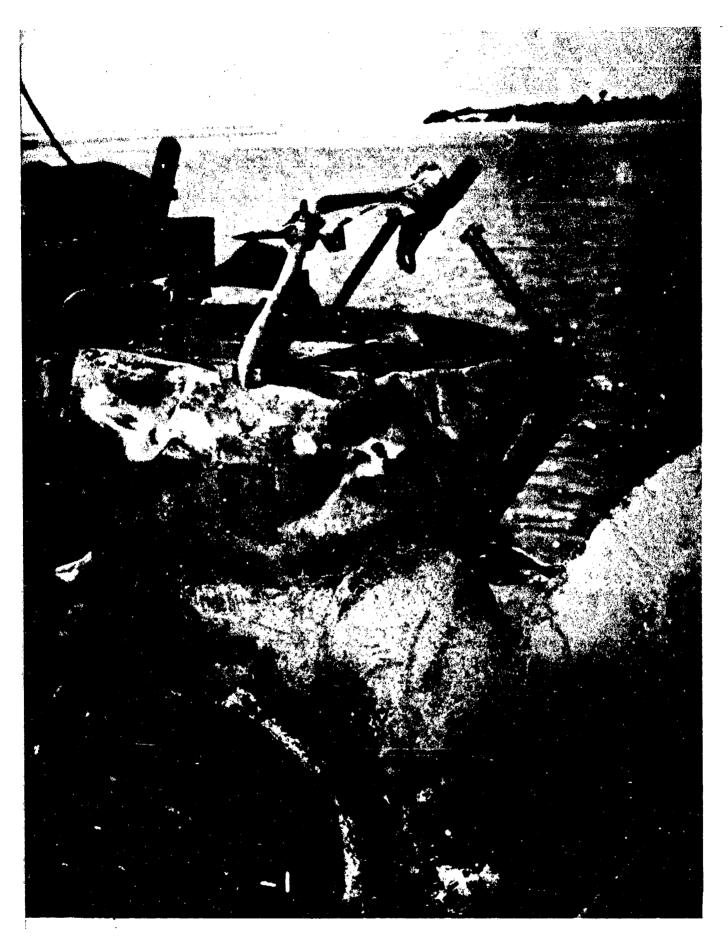
AA-CR-59-2011-2. Main induction valve showing failure of stem casing. Looking aft and to port from port side.

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USS SKATE (SS305)



AA-CR-68-1749-11. Looking down on main induction valve, showing damage and displacement of entire valve to port.



AA-CR-68-1750-1. Top of main induction valve looking forward and to starboard.

USS SKATE (SS305)

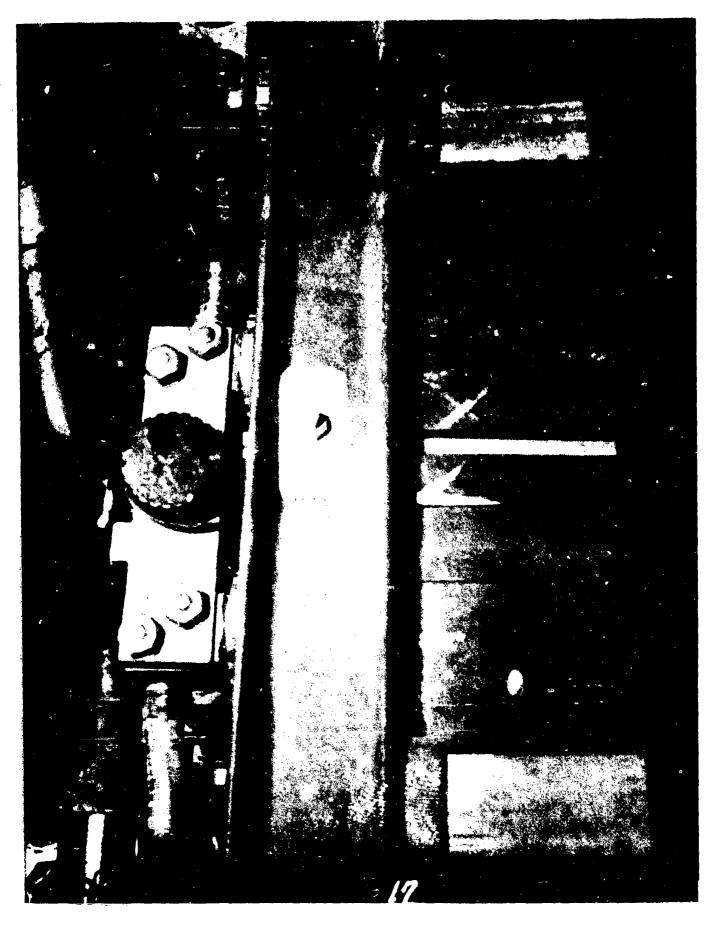
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AA-CR-68-1750-5. Port main induction pipe to forward engine room. All supports are torn away and pipe is displaced up and to starboard.

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AA-CR-59-2011-12. Forward battery tank after starboard corner. Note fracture ventilation duct at top of picture.

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AA-CR-59-2055-4. Portable section of cross track bar in after end of after torpedo room showing stewage position.

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AA-CR-59-2055-1. Dent in warhead of torpedo stowed in lower starboard rack, after torpedo room.

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ÀA-CR-59-1752-12. Forward port cover of bridge splinter protection. Note intact condition of pressure proof indicator.

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AA-CR-68-2057-5. View of No. 2 M.E. valve box showing defort atton of welding construction and failure of brazed and welded joints.

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AA-CR-68-2057-6. Silver brazed and are welded joints on No. 2 outboard exhaust, looking aft.

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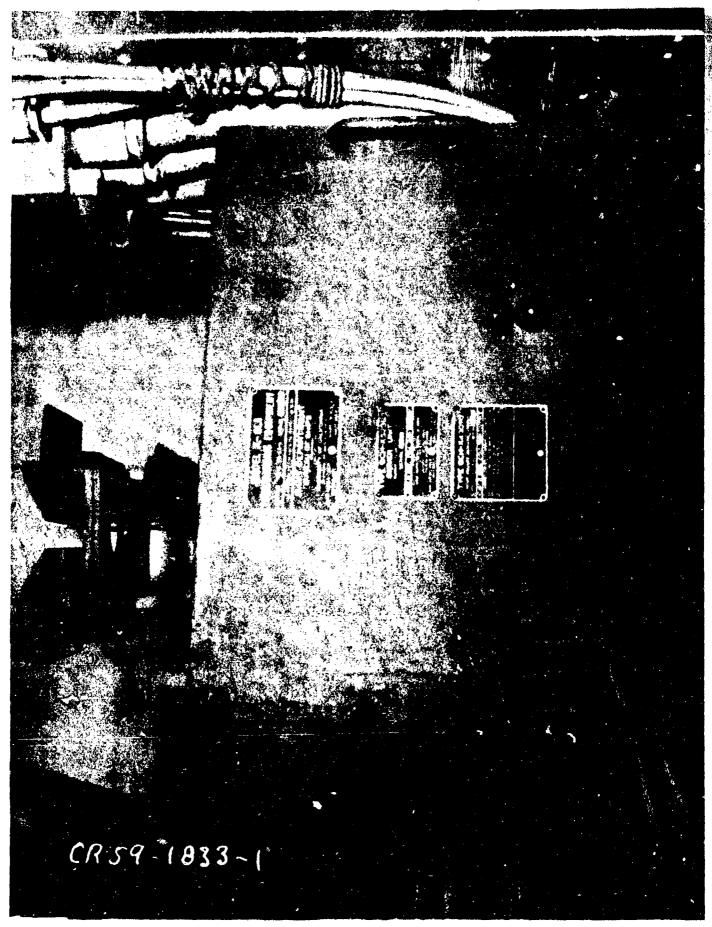


AA-CR-68-2057-9. Main induction valve stem casing. Failure of casing adjacent to welds, looking aft.

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AA-CR-59-1833-1. View in forward torpedo room of QLA sound stack showing damaged upper shock mounts.

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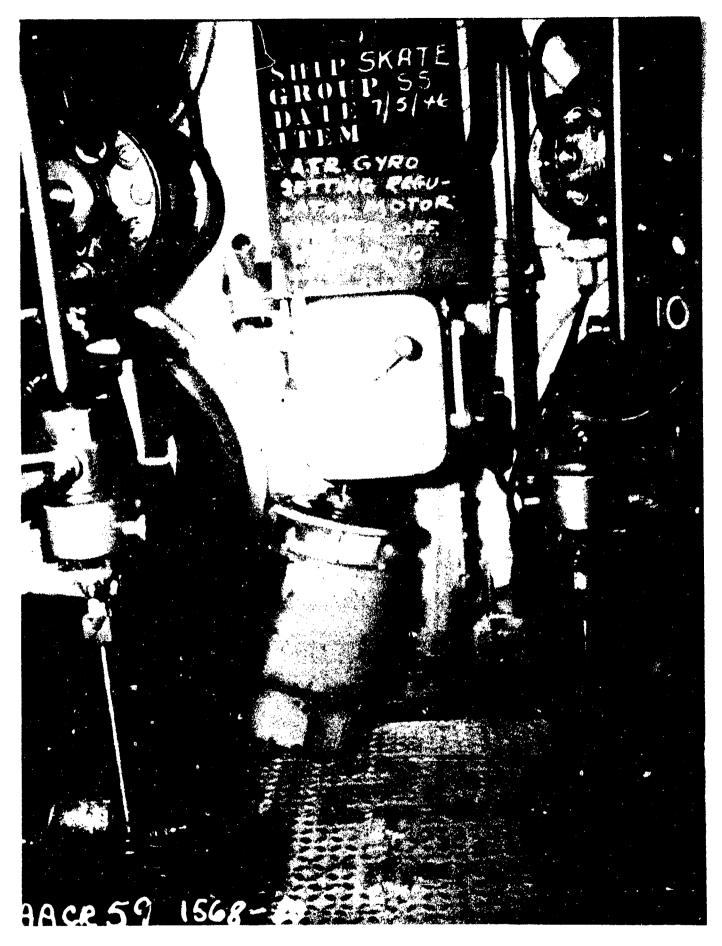


AA-CR-59-1568-7. View in conning tower of sound stack showing after bearing indicator jarred out of supporting bearings and door for TDM recorder jarred open.

USS SKATE (SS305)

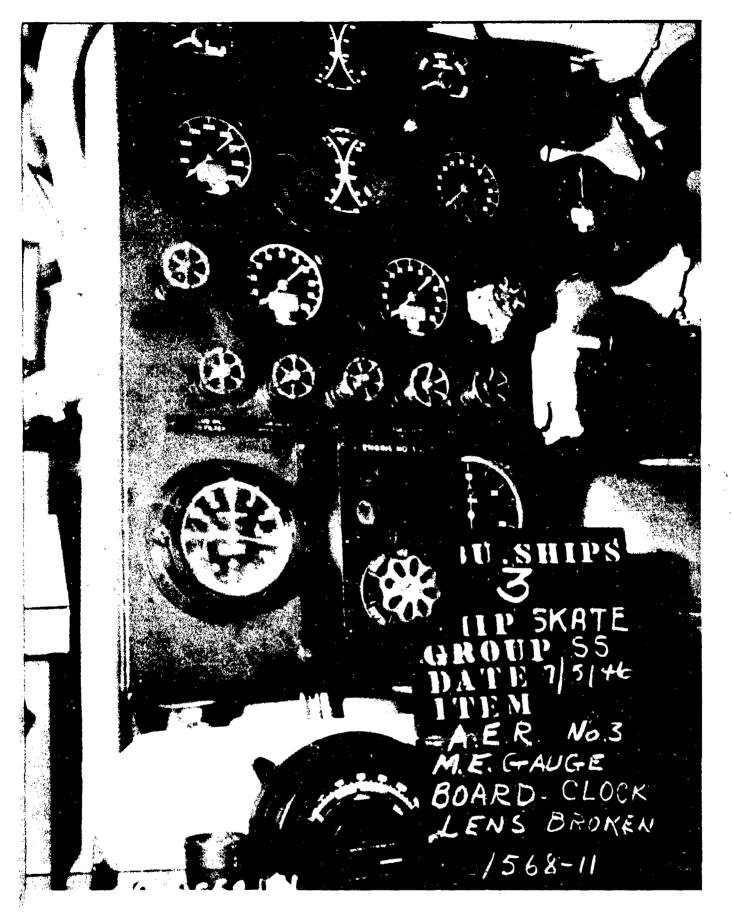
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AA-CR-59-1568-10. View in after torpedo room looking aft between torpedo tubes showing gyro setting regulator motor dropped off.

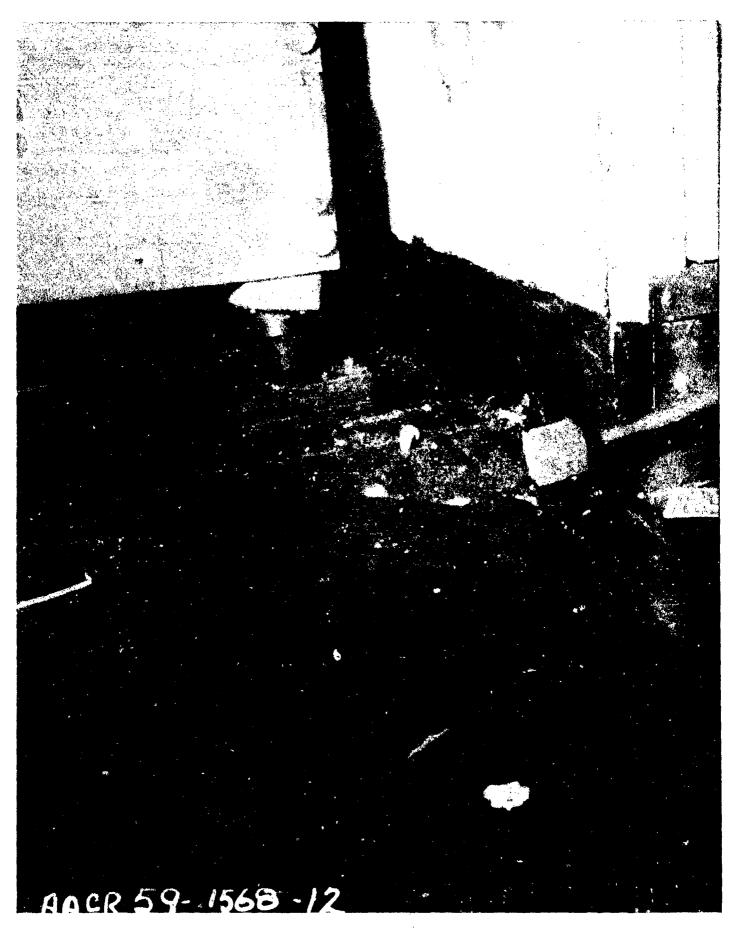
Page 38 of 93 Pages USS SKATE (SS305)



AA-CR-59-1568-11. View in after engine room of gauge panel for No. 3 main engine showing glass lens in clocks shattered.

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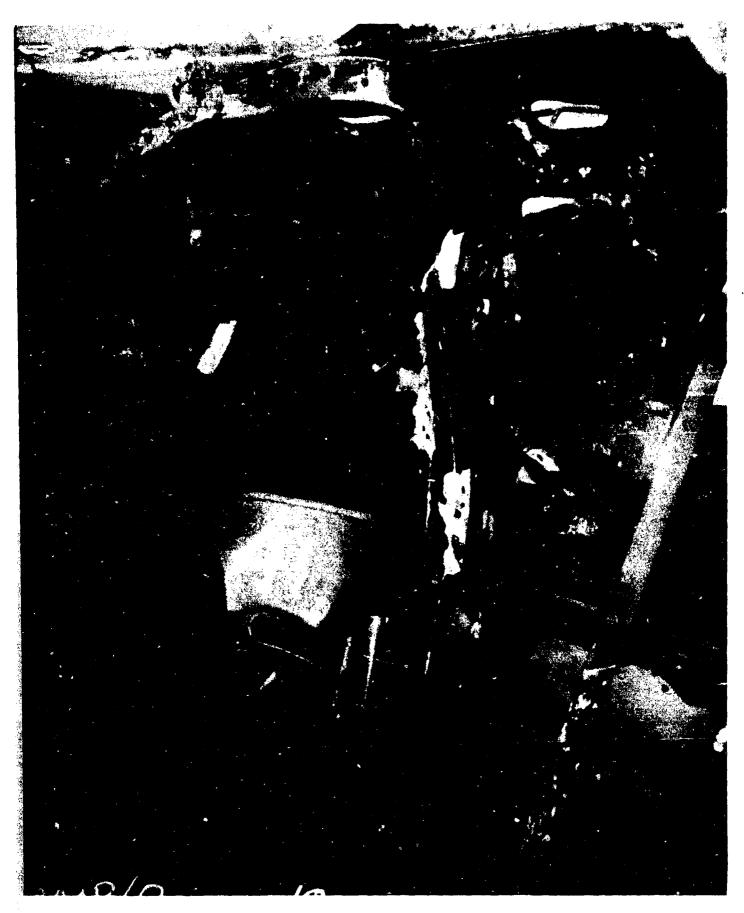


AA-CR-59-1568-12. View in forward torpedo room showing damaged lower shock mounts of QLA sound stack.

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AA-CR-1752-10. View of 50 gallon drum and beer can blast gauges in forward superstructure showing crushing effect of pressure

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AA-CR-68-1748-12. View of JT sound gear hull flange showing how shaft and outboard support was carried away. Note lead-in cable.

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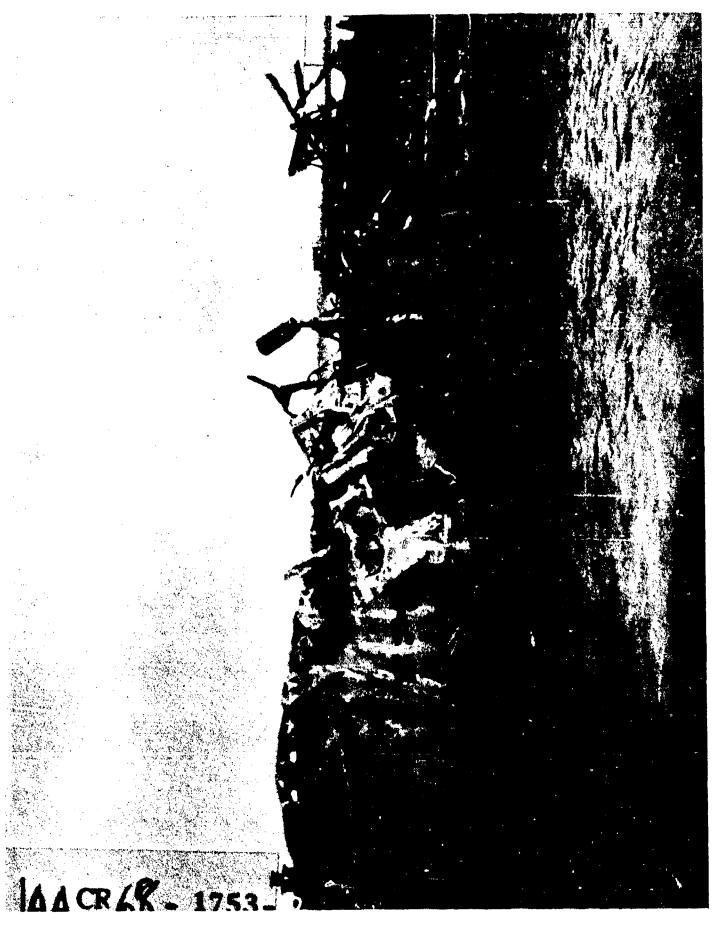
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AA-CR-68-1753-1. General view of port side from boat.

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AA-CR-68-1753-2. General view of port side from boat.

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AA-CR-68-1753-3. General view of port side from boat.

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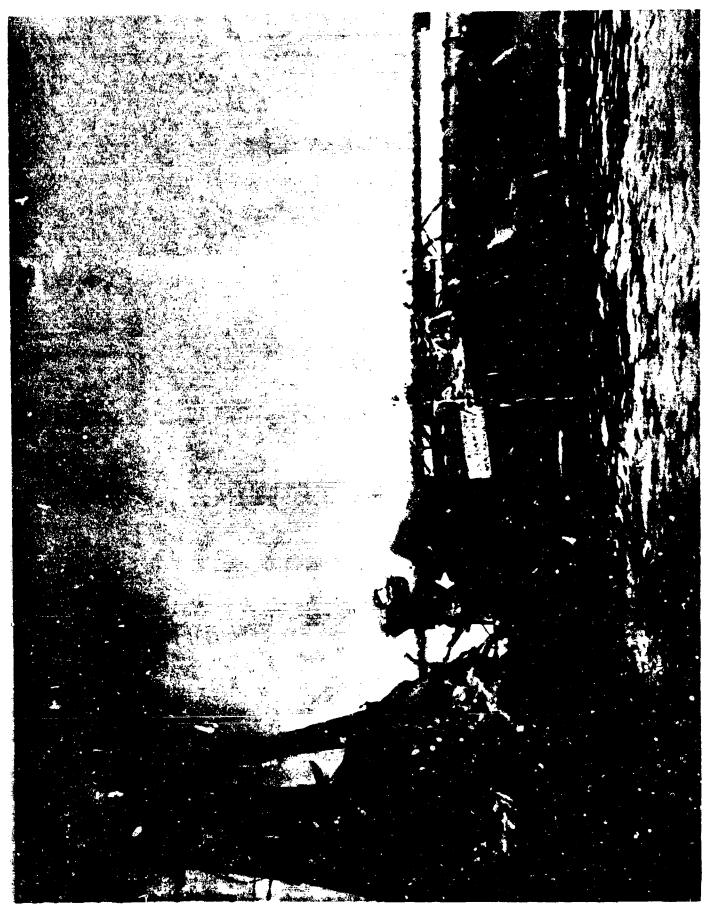
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AA-CR-68-1753-4. General view of port side from boat.

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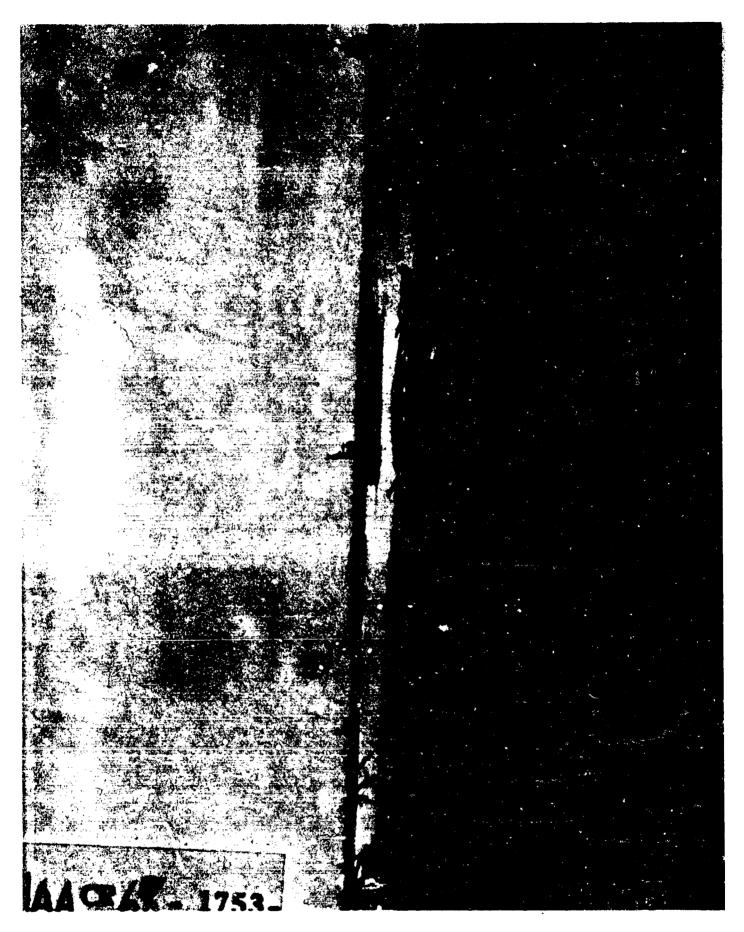
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AA-CR-68-1753-5. General view of port side from boat.

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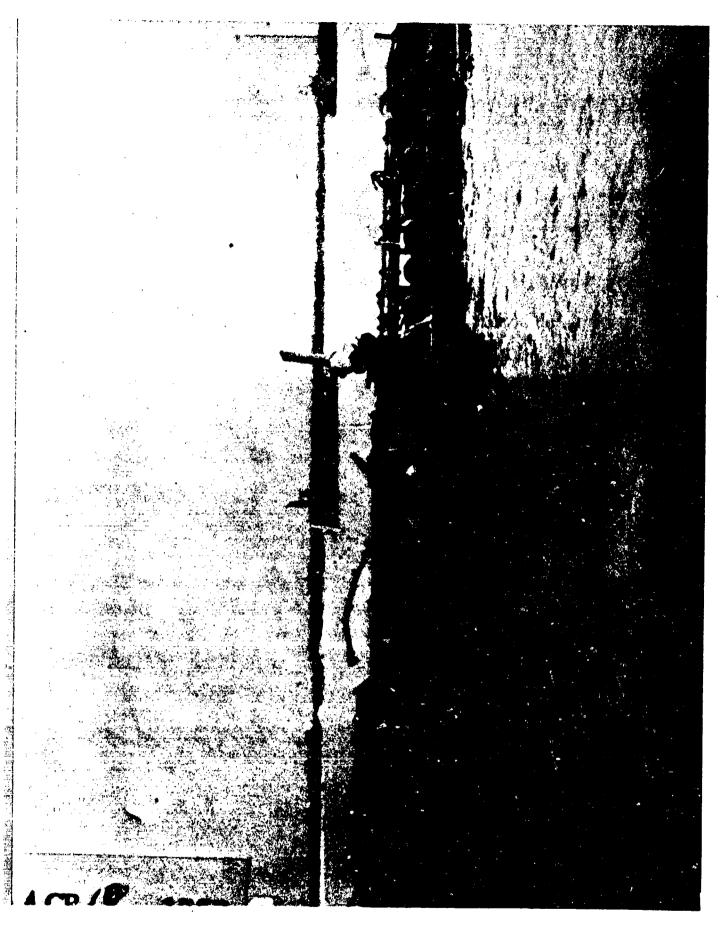
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'AA-CR-68-1753-6. General view of port side from boat.

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AA-CR-68-1753-7. General view of port side from boat.

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AA-CR-68-1753-8. General view of port side from boat.

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AA-CR-68-1753-9. General view of port side from boat.

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AA-CR-68-1753-10. General view of starboard side from boat.

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AA-CR-68-1753-12. General view of starboard side at bridge and conning tower from boat.

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AA-CR-68-1752-1. General view of damage looking forward from top of periscope shears.

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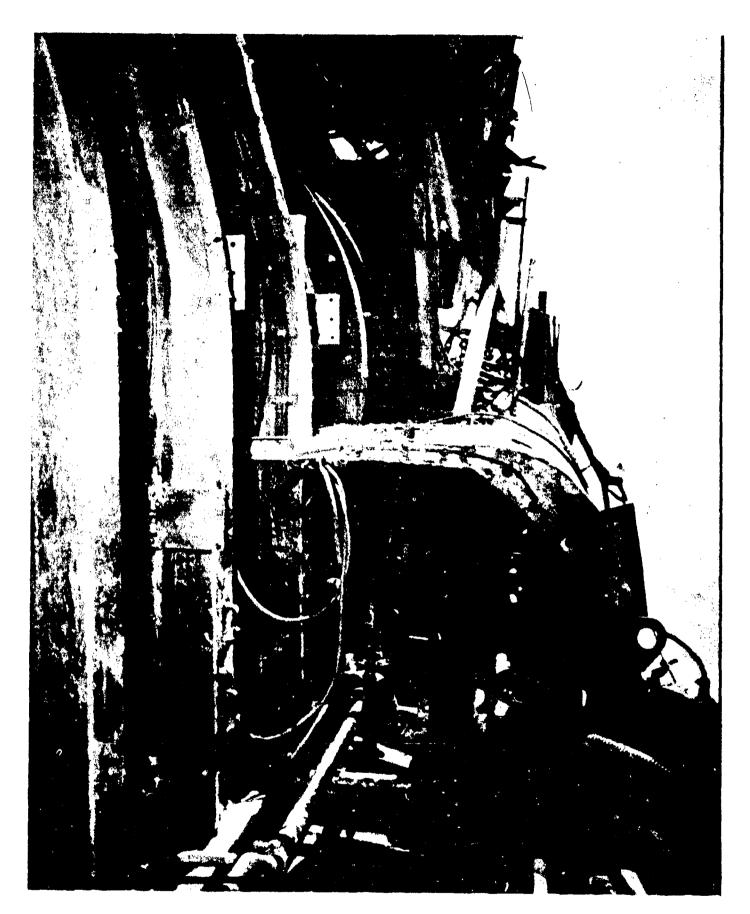
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AA-CR-68-1752-2. General view of damage looking aft from top of periscope shears.

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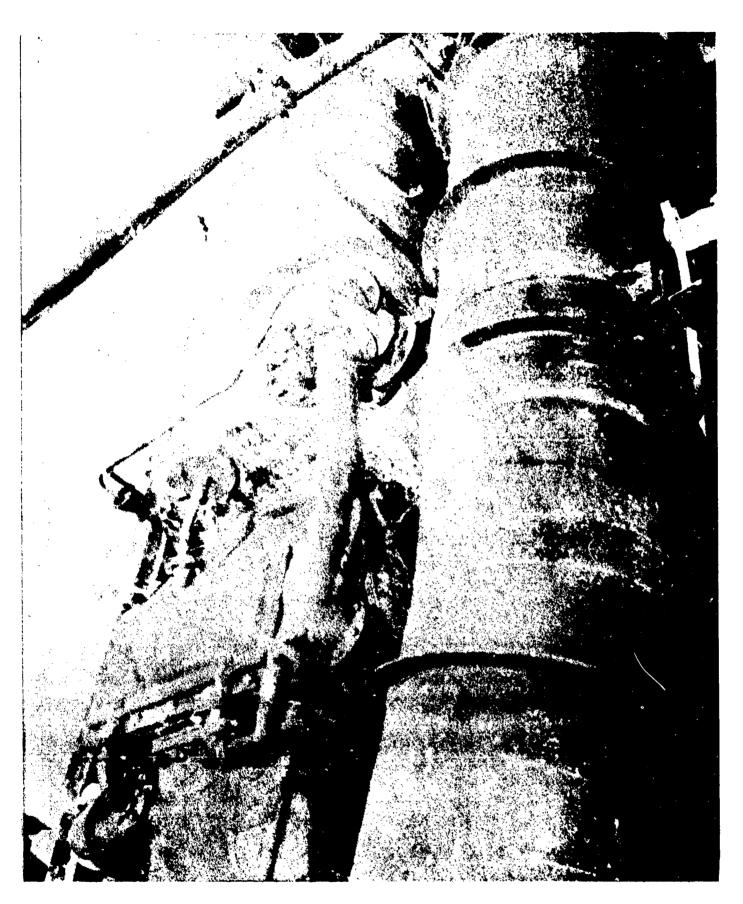
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AA-CR-68-1750-2. Picture taken from frame 50 starboard side looking forward showing flexible fueling hose and 10# blow piping to main ballast tanks 2A and 2C (undamaged). Note also sheared and displaced electric cables.

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AA-CR-68-1750-12. No. 1 Main engine outboard exhaust valve box with muffler and associated piping (undamaged).

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AA-CR-68-1750-9. View of crushed and twisted salt water cooling pipe to No. 2 main engine external exhaust trunk.

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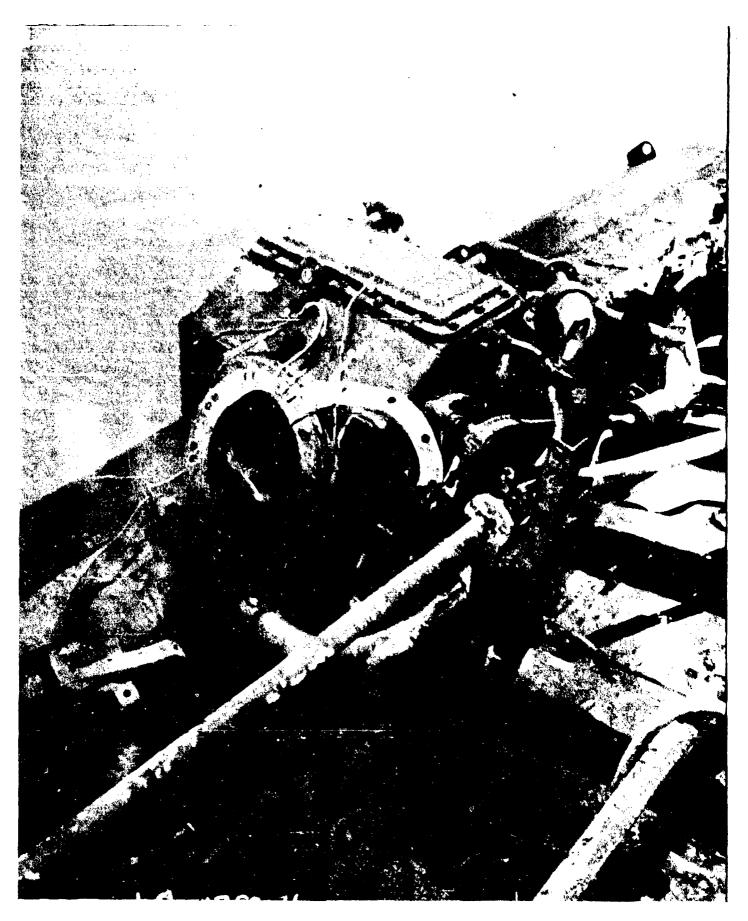
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AA-CR-68-1750-10. No. 2 Main engine outboard exhaust valve box.

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AA-CR-68-1750-11. No. 2 Main engine outboard exhaust valve box.

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AA-CR-68-1751-1. View of No. 3 Main engine outboard exhaust valve box and muffler. Undamaged.

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AA-CR-59-1833-4. View of No. 4 Main engine outboard exhaust valve, muffler missing, with engine running.

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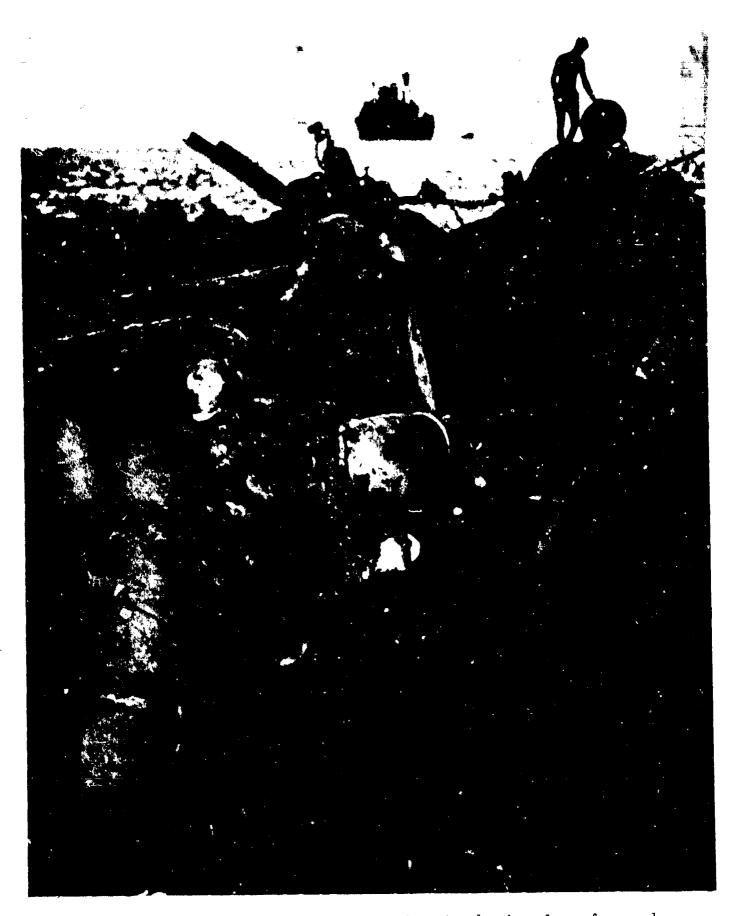
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AA-CR-59-1833-7. View of No. 4 Main engine outboard exhaust valve and auxiliary engine outboard exhaust valve.

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AA-CR-68-2057-4. View of No. 4 M.E. exhaust valve box from forward port side showing deformation of welded construction and failure of brazed joint in piping.

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AA-CR-68-1751-2. View of auxiliary engine muffler astride after engine room hatch as found immediately after test.

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AA-CR-68-1751-3. View of auxiliary engine muffler forward end, outboard exhaust valve and part of No. 4 Main engine outboard exhaust valve.

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AA-CR-2111-5. View of area around engine room hatch showing damage to port main exhaust valves and to auxiliary engine muffler and exhaust piping.

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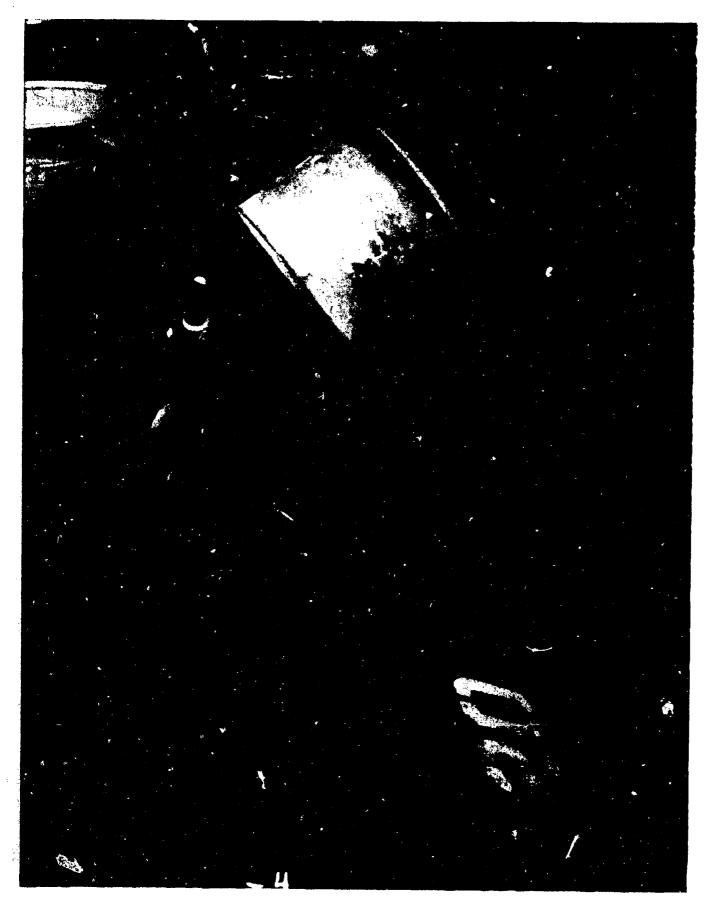
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AA-CR-68-1751-4. View from aft of auxiliary engine muffler astride engine room hatch as found after test.

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AA-CR-68-2111-4. Viewof damage to after capstan and #7 Main ballast tank main vent valve.

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AA-CR-68-1751-10. View of after capstan and No. 7 Main ballast tank main vent valve.

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AA-CR-68-1752-8. Closeup of dislocation of No. 6 torpedo tube impulse air flash showing rupture in pipe at flange.

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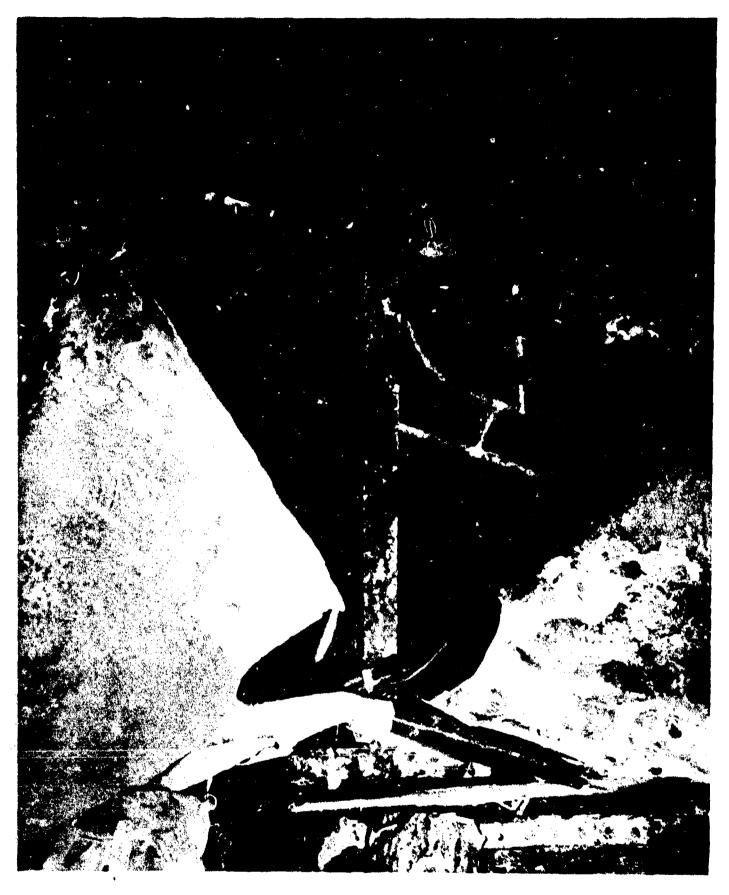
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AA-CR-59-2055-10. View alongside conning tower port side showing damage to 10# blow piping to main ballast tanks 2B and 2D.

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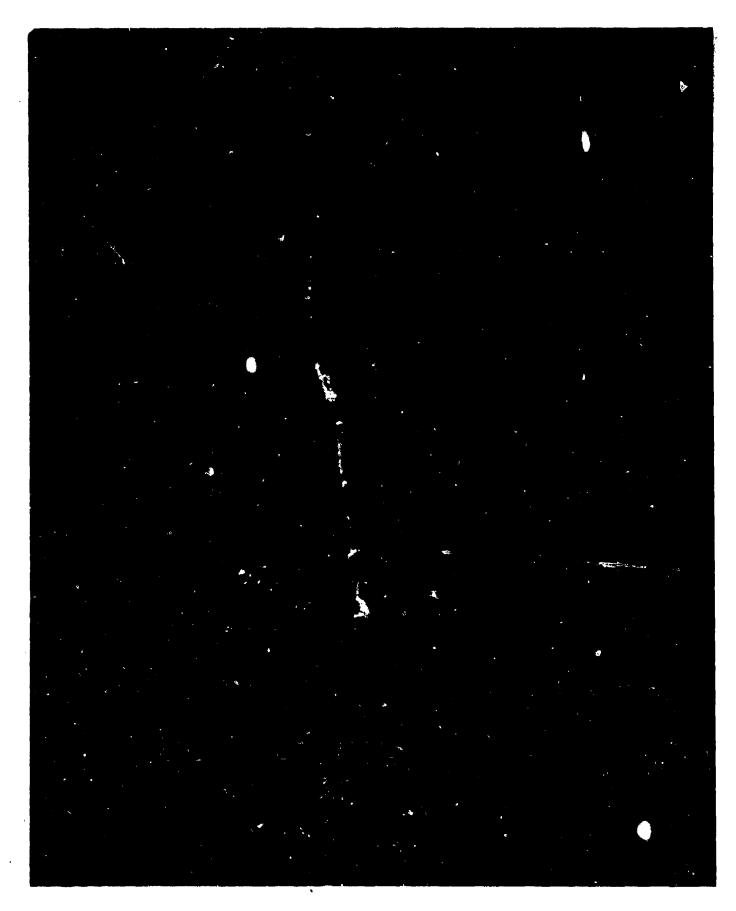
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AA-CR-68-1748-8. Radio entering trunk hull flange and 10lb. blow pipe to main ballast tank 2D.

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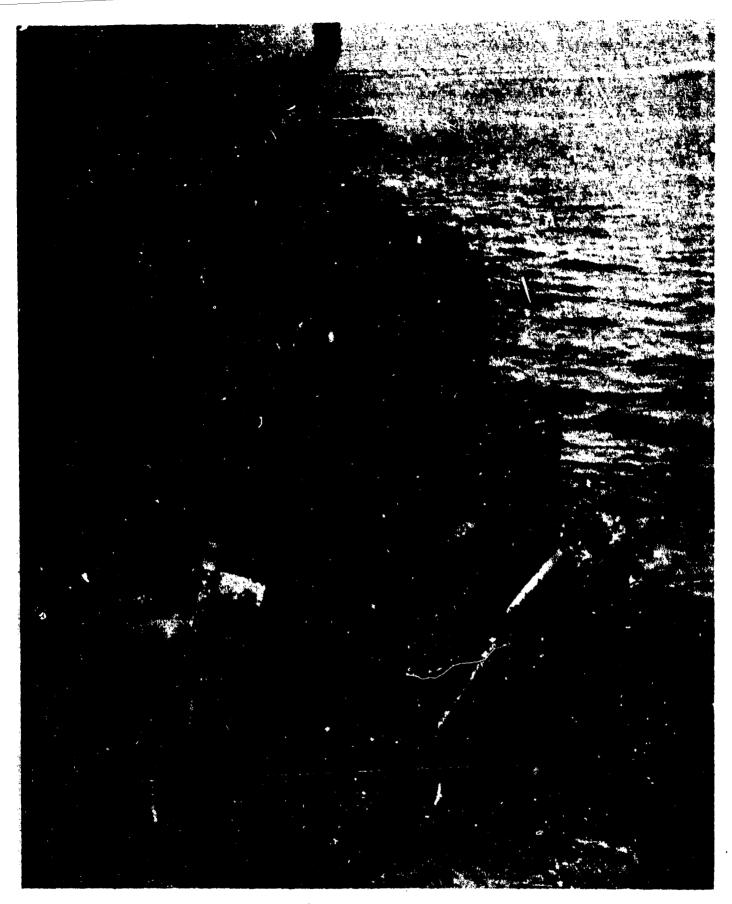
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AA-CR-2111-2. View of topside starboard side looking forward from after torpedo room hatch showing damage to 10# blow piping to #7 Main ballast tanks and maneuvering room low salvage connection.

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AA-CR-68-1751-5. View of maneuvering room salvage air fitting(low),

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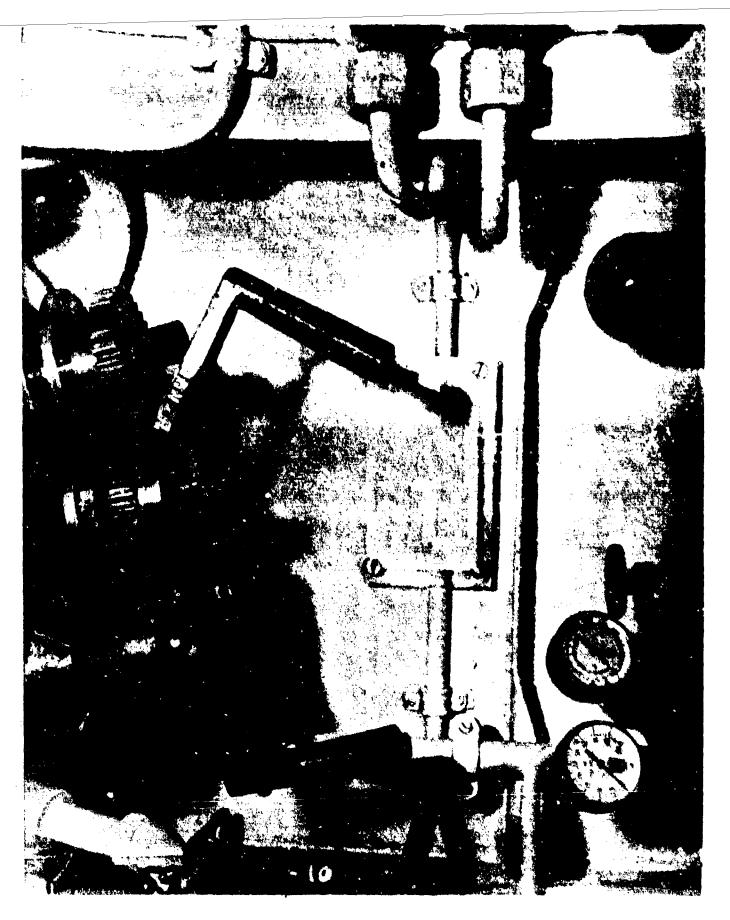
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AA-CR-68-1749-2. QLA sound head and shaft.

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AA-CR-59-2011-10. Control room submerged signal a octor showing operating shaft pushed in and bent operating bushed a room moshed.

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UJS JEATE(SS50E)



AA-CR-68-1748-10. Submerged signal ejector (control room) external view showing how outer board and outer door were carried away.

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AA-CR-68-1748-9. Frame 49 starboard forward end of conning tower showing sheared electric cables.

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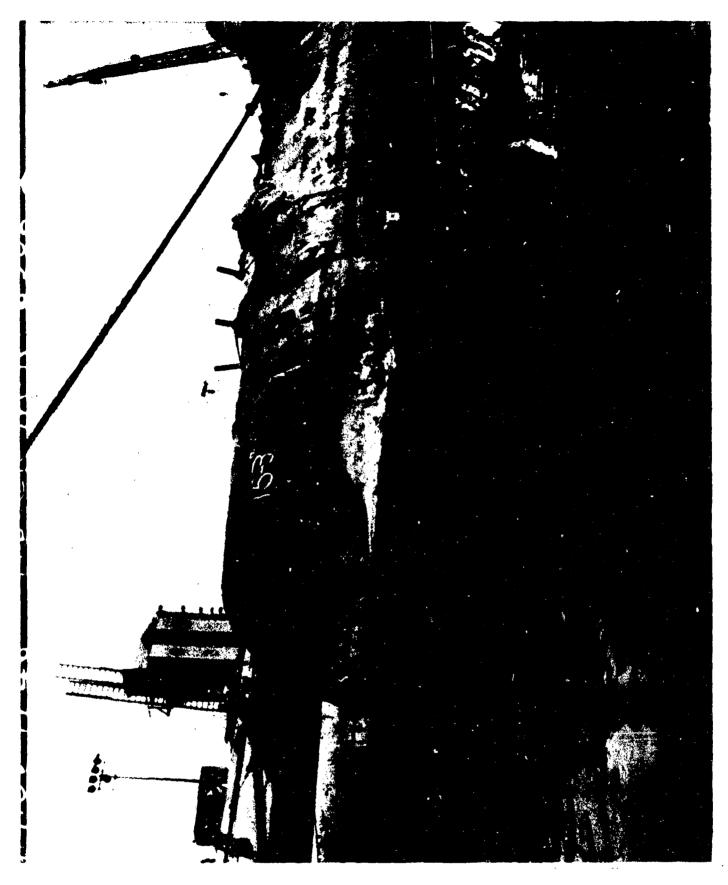
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ABCR-MIK-6502-1. View of stern showing distortion of stern structure and shutters.

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ABCR-MIK-6502-2. Starboard side of stern showing offset of top structure and distortion of shutters.

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ABCR-MIK-6502-3. Starboard side looking aft showing offset of structure above the lower shutter.



ABCR-MIK-6502-5. View of stern from port quarter showing distorted structure and crumpled #8 torpedo tube shutter.



ABCR -MIK-6503-2. Starboard quarter hull plating between #7 and #9 shutters at forward end. Note compression failure of plate. Flat bar bracket on outside is part of experimental structure installed for purposes other than Crossroads.

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ABCR -MIK-6503-9. Distortion of top of stern structure to starboard above forward end of #7 torpedo tube structure.

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ABCR-MIK-6504-3. View in way of number 8 torpedo tube from port side aft showing distortion in fore and aft bulkhead.



AB-CR-MIK-6504-4. #8 torpedo tube port side looking aft showing distortion in frames.

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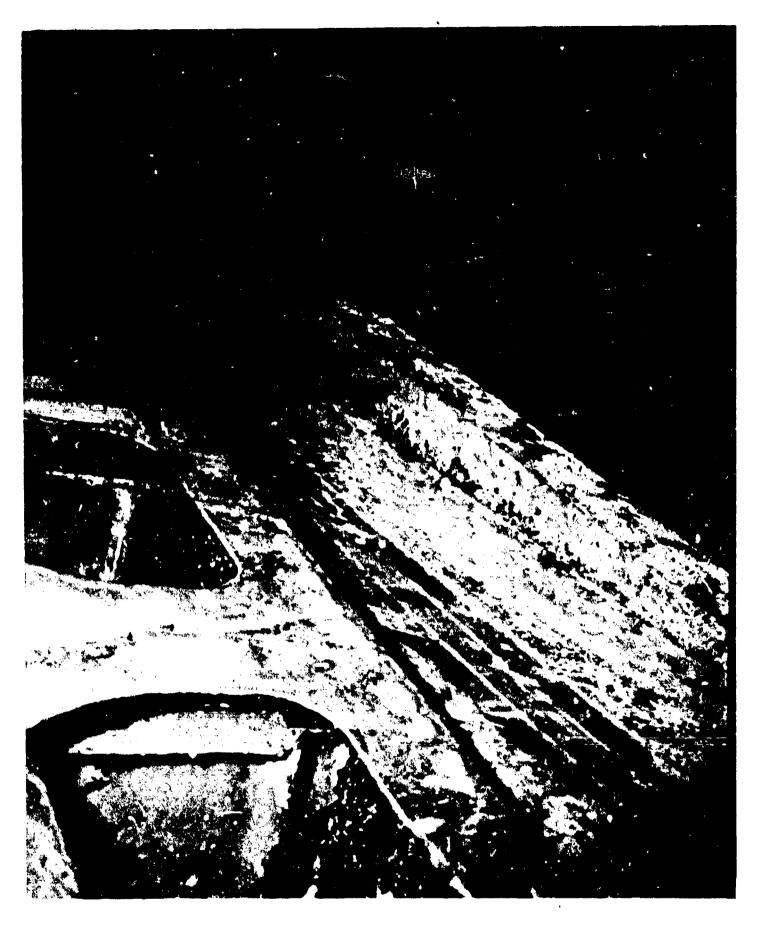
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AB-CR-MIK-6503-3. View showing distortion of No. 2 torpedo tube shutter.

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AB-CR-MIK-6503-4. View showing distortion of No. 2 torpedo tube shutter from above.



AB-CR-MIK-6503-8. View showing lower roller of track #7 torpedo tube shutter.

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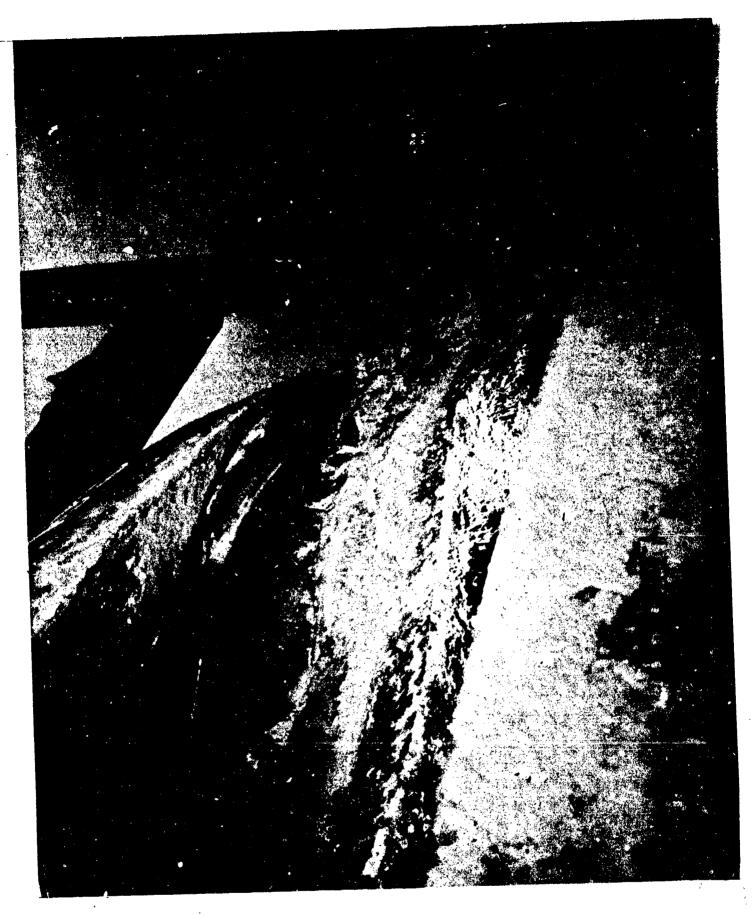
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AB-CR-MIK-6503-7. View showing lower rollers on #8 torpedo tube shutter.

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AB-CR-MIK-6503-5. View showing distortion of #8 torpedo tube shutter.

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AB-CR-MIK-6503-6. View showing distortion of #8 torpedo tube shutter as seen from below and outboard.



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Classification (Ometa-4) (Changed to CONFIDENTIAL)
By Muthority of Joint Chiefs of Staff (Action 15 Apr 49)
By Man Degap (Apr Date / May S)

AFSW P

CONFIDENTIAL





Defense Special Weapons Agency 6801 Telegraph Road Alexandria, Virginia 22310-3398

TRC

9 April 1997

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER ATTENTION: OMI/Mr. William Bush

SUBJECT: Declassification of Reports

The Defense Special Weapons Agency (formerly Defense Nuclear Agency) Security Office has reviewed and declassified the following reports: + 57- H

AD-366748 -	XRD-65
AD-366747	XRD-64
AD-366746	XRD-63
AD-376826 -	XRD-60
AD-376824-	XRD-58
AD-376825 ~	XRD-59
AD-376823 ~	XRD-57
AD-376822 -	XRD-56
AD-376821 ~	XRD-55
AD-366743~	XRD-54
AD-376820 -	XRD-53
AD-366742 ~	XRD-52
AD-366741 -	XRD-51
AD-366740 ~	XRD-50-Volume-2
AD-366739 -	XRD-49-Volume-1
AD-366738 -	XRD-48
AD-366737	XRD-47

TRC

SUBJECT: Declassification of Reports

AD-366736 -	XRD-46
AD-366735 -	XRD-45
AD-366723~	XRD-37
AD-366721~	XRD-35
AD-366717	XRD-31-Volume-2
AD-366716 -	XRD-30-Volume-1
AD-366751 -	XRD-68-Volume-2
AD-366750 ~	XRD-67-Volume-1
AD-366752 -	XRD-69
AD-366744 -	XRD-61.

All of the cited reports are now approved for public release. Distribution statement "A" now applies.

Andith Jarrett ARDITH JARRETT

Chief, Technical Resource Center

Computed

1 mar 2000

B.W